ABSTRACT OF THE DISCLOSURE

A system and method for writing to a disk in real-time at a bitrate which allows streaming of the same payloads over a network connection that supports the same or substantially the same bitrate. The system and method are capable of performing the mirroring or data replication for applications that write to a disk at different or slower rates than other applications in the network. The system and method can employ digital encoders that are advantageous in that they are operable to write to a disk at a specific and substantially constant rate that produce predictable and consistent results. A disk driver employed in the system and method enables an application to read and write to a disk as if it were a normal disk drive. As the application reads and writes content to the disk drive, the network transparently broadcasts the content via TCP/IP to remote listening devices, such as edge servers in the network. A remote device can include, for example, another disk driver that then writes the data to disk or a remote application that simply uses the information being broadcast. By saving the broadcast information back to the disk, a remote listening device can recreate the file being created by the source application.